

**DECLARATION AND POWER OF ATTORNEY  
UNDER 35 USC §371(c)(4) FOR  
PCT APPLICATION FOR UNITED STATES PATENT**

As a below named inventor, I hereby declare that:

my residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: GAS VANE PUMP, AND METHOD OF OPERATING THE PUMP

described and claimed in international application number PCT/JP2005/004411 filed March 8, 2005.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 2004-067849 filed March 10, 2004

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;  
Thomas J. Pardini, Reg. No. 30,411; Edward P. Walker, Reg. No. 31,450;  
Robert A. Miller, Reg. No. 32,771; Mario A. Costantino, Reg. No. 33,565;  
Joel S. Armstrong, Reg. No. 36,430; Christopher W. Brown, Reg. No. 38,025;  
Paul Tsou, Reg. No. 37,956; and Eric D. Morehouse, Reg. No. 38,565.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Typewritten Full Name of Sole or First Inventor	Kohei	ONO
		Given Name	Middle Initial
2	Inventor's Signature:	<u>Kohei Ono</u>	
3	Date of Signature:	Aug.	30
		Month	Year
Residence:	Nagoya-shi	AICHI	JAPAN
Citizenship:	Japanese	State or Province	Country
Post Office Address: (Insert complete mailing address, including country)	c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, 1, Toyota-cho, Toyota-shi, AICHI 471-8571, JAPAN		

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE   
(Discard this page in a sole inventor application)

1	<i>Typewritten Full Name of Joint Inventor</i>	Hiroyuki		IKEMOTO
2	<i>Inventor's Signature:</i>	<i>Hiroyuki</i>		<i>Akemoto</i>
3	<i>Date of Signature:</i>	Aug.	30	2006
	Residence:	Month	Day	Year
		Nishikamo-gun	AICHI	JAPAN
	Citizenship:	City	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)	c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, 1, Toyota-cho, Toyota-shi, AICHI 471-8571, JAPAN		
1	<i>Typewritten Full Name of Joint Inventor</i>	Junichi		TANOUÉ
2	<i>Inventor's Signature:</i>	<i>Junichi</i>		<i>Tanoue</i>
3	<i>Date of Signature:</i>	Sep.	7	2006
	Residence:	Month	Day	Year
		Susono-shi	SHIZUOKA	JAPAN
	Citizenship:	City	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)	c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, 1, Toyota-cho, Toyota-shi, AICHI 471-8571, JAPAN		
1	<i>Typewritten Full Name of Joint Inventor</i>	Ulrich		HILTEMANN
2	<i>Inventor's Signature:</i>	<i>Ulrich</i>		<i>Hiltemann</i>
3	<i>Date of Signature:</i>	September	20th	2006
	Residence:	Month	Day	Year
		Wermelskirchen 42929	GERMANY	
	Citizenship:	City	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)	c/o LUK AUTOMOBILTECHNIK GMBH & CO. KG Industriestrasse 8, Huckeswagen 42499, GERMANY		
1	<i>Typewritten Full Name of Joint Inventor</i>	Christoph		HEIDEMEYER
2	<i>Inventor's Signature:</i>	<i>Christoph</i>		<i>Heidemeyer</i>
3	<i>Date of Signature:</i>	September	19th	2006
	Residence:	Month	Day	Year
		Remscheid 42897	GERMANY	
	Citizenship:	City	State or Province	Country
	Post Office Address: (Insert complete mailing address, including country)	c/o LUK AUTOMOBILTECHNIK GMBH & CO. KG Industriestrasse 8, Huckeswagen 42499, GERMANY		